

Department of Microbiology
Yamaguchi Medical School
Ube, Yamaguchi-Ken, Japan

November, 23, 1956

Prof. J. Lederberg
Department of Genetics
University of Wisconsin
Madison, Wisconsin, U.S.A.

Dear Sir,

Many thanks for the reprint of your article, "Isolation and characterization of biochemical mutants of bacteria" which was sent to me the other day. Depending on your such kindness, we have success in obtaining a number of auxotrophic mutants of Escherichia coli especially those with requiring water soluble vitamins.

At present time, we wish to isolate mutant requiring vitamin K₃ (2-Methyl-1,4-naphthoquinone), but we were not able to get growth on K₃ despite of the effort for several month. In the table 2 (Recommended list of water-soluble vitamins with concentrations suggested for E. coli) of your paper, Methyl-naphthoquinone is listed with the other B-group vitamins, and the available concentration is also noted as 1 gamma per cc.

I should be very much pleased indeed if you would be kind enough to favor me with your answer on the following questions.

- 1) Have you ever encountered mutants responded to vitamin K₃ or the other types of vitamin K?
- 2) If you would have such an experience, I wish to learn the name of the parent strain used, a sort of mutagen and any other helpful suggestions for isolating such a mutant.

Yours sincerely,

Hideo Nakayama
Hideo Nakayama, M.D.

This space is also for correspondence.

ここにも通信文を記載することができます

Hideo Nakayama
Department of Microbiology
Yamaguchi Medical School
Ube, Yamaguchi-Ken, Japan



Prof. J. Lederberg
Department of Genetics
University of Wisconsin
Madison, Wisconsin, U.S.A.

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折込線

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